

August 30<sup>th</sup> 2018

Karen Kharatyan  
Director of technical services  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU  
X0B 1J0

**Agnico Eagle Mines Meliadine Division request to keep the snow cell until the P-area decommissioning**

Dear Mr. Kharatyan

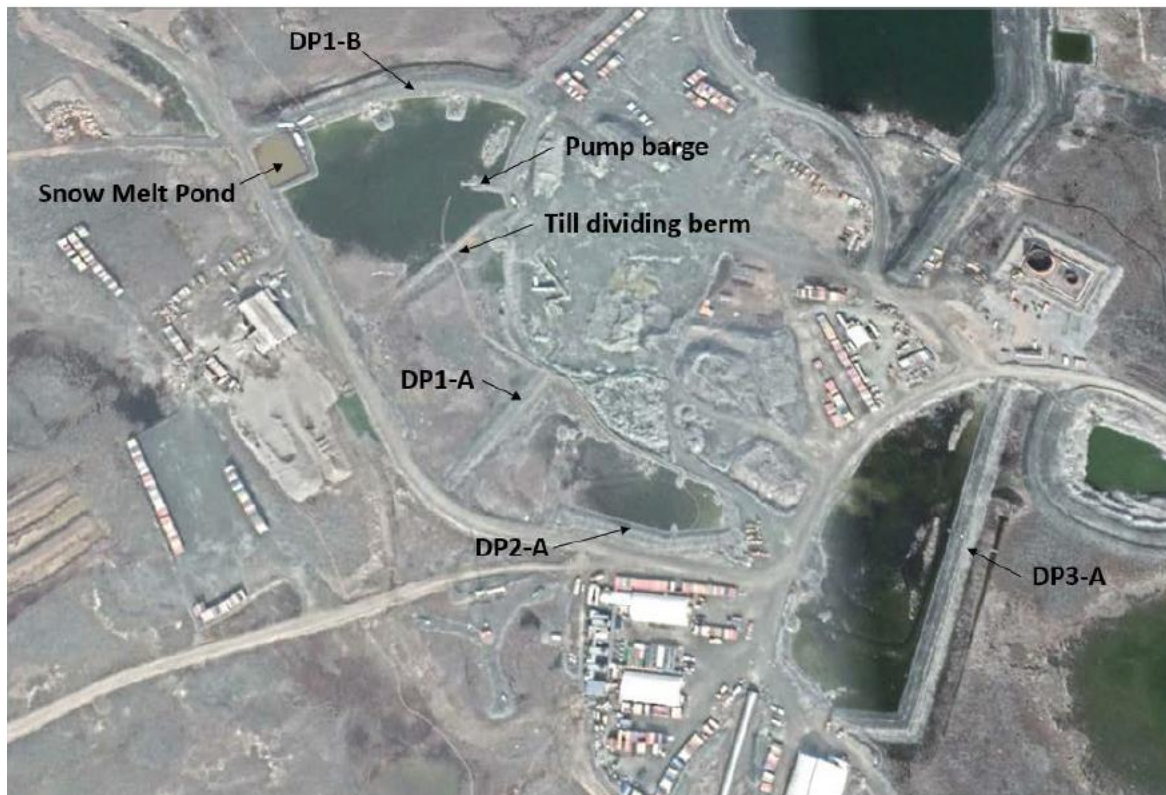
This letter is a request from Agnico Eagle Mines (AEM) Meliadine Division for approval from the Nunavut Water Board (NWB) to keep the snow cell as a temporary structure until the decommissioning of the P-area is completed.

Following the 30 000L diesel fuel spill occurring on April 8<sup>th</sup>, 2017, AEM built a containment snow cell to contain and manage the contaminated snow from the event. The structure was built as an emergency measure to lower the impact on the environment by providing a better management of the contaminated snow.

The snow cell is engineered structure (please refer to the attached drawing) designed to contain a volume of 1500 m<sup>3</sup> of snow and to contain 930 m<sup>3</sup> of water. The liner is HDPE 1.5 mm with two layers of geotextile (over and under). A minimum of 0.5 meter of water should be maintained below the minimum liner elevation.

The snow cell is contained within the footprint of the P1 pond (part of the P-area). The P-area, including the snow cell, will be decommissioned once steady state is achieved at the operational level and all of the permanent License A infrastructures are built. The snow cell would be dismantled at the same time as the P-area.

The snow cell provides flexibility for AEM, in case of an unforeseen event, to contain and manage contaminated snow should future spills occur at the site. The melted snow in the snow cell is then treated by an oil separator and the clean water can be discharged to the P-area or CP1.



**Snow cell location (snow melt pond)**

Should you require any further information or questions, please don't hesitate to contact the below via email or by telephone.

Regards,

**Agnico Eagle Mines Limited – Meliadine Division**



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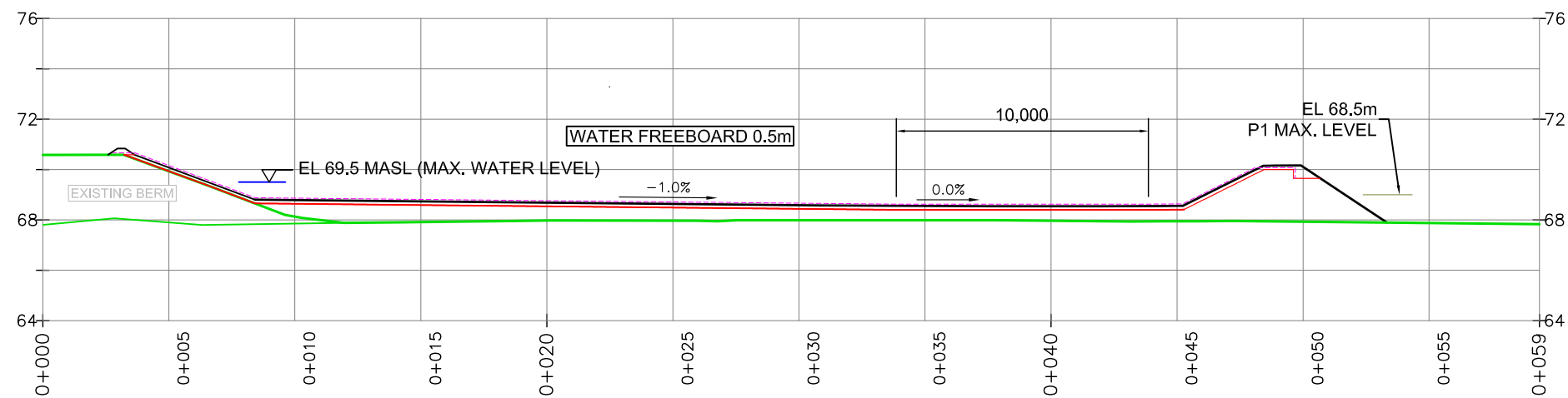
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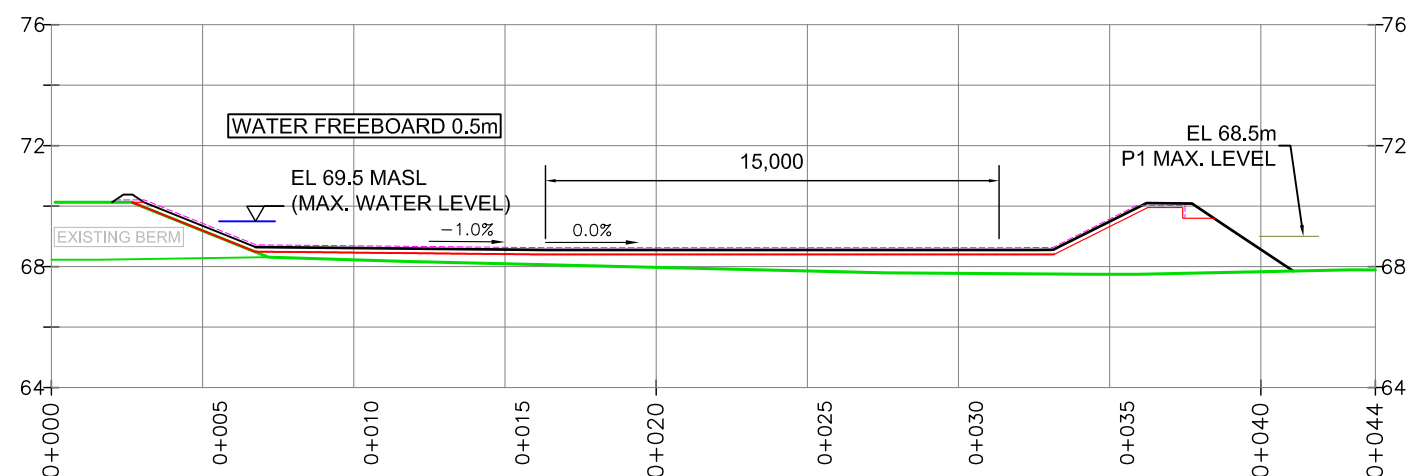
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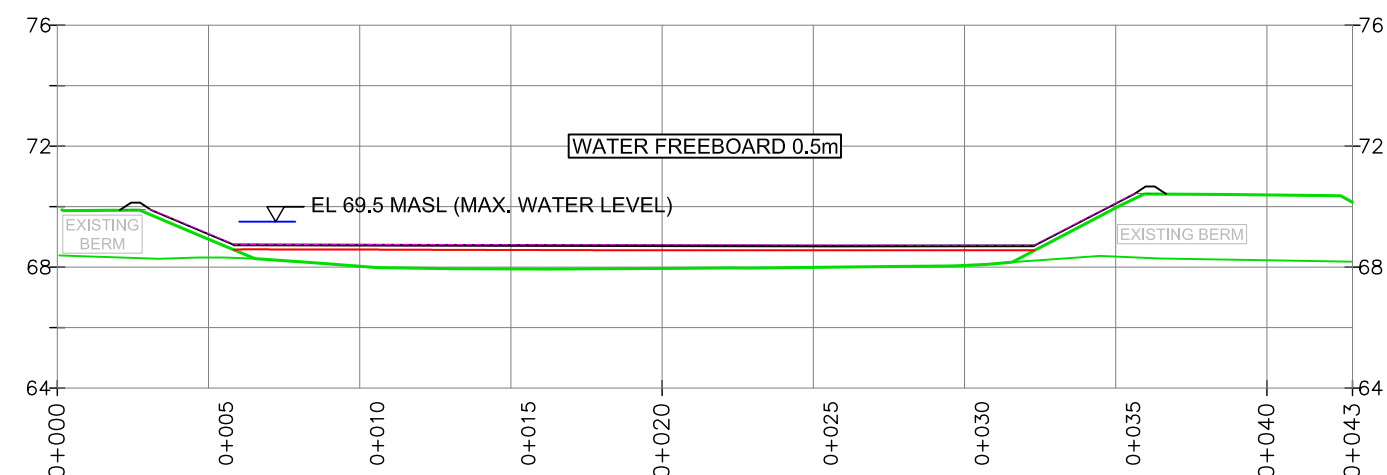
A



SECTION A-A



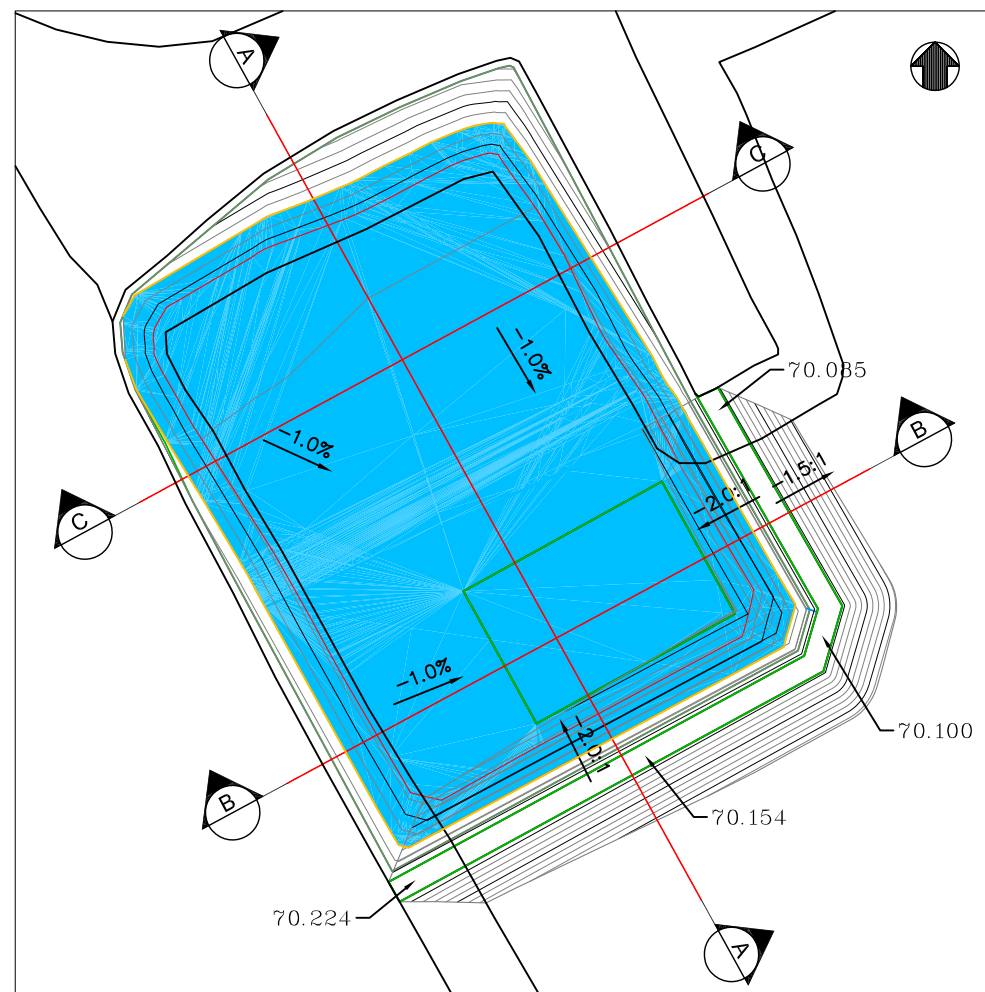
SECTION B-B



SECTION C-C

LEGEND:

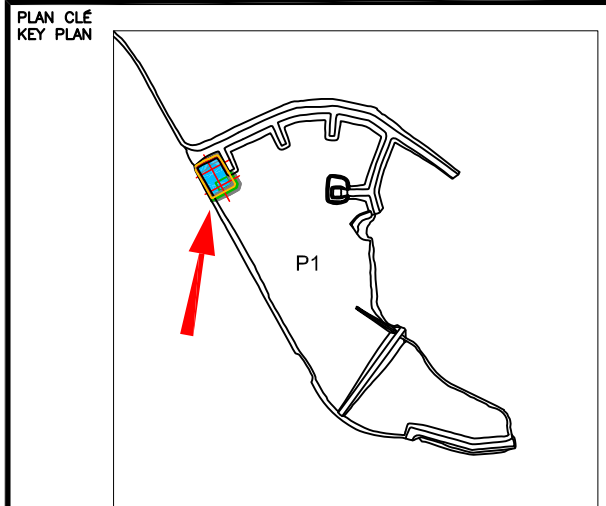
- ORIGINAL GROUND
- FINE FILL
- LINERS



TOP VIEW (N.T.S.)

NOTES FOR CONSTRUCTION

- 1) This cell is for temporary storage of contaminated snow during summer 2017. Depending on its performance and condition, it could be used for other usages beyond summer 2017. If so, the liner need to be weighted to prevent liner lift up.
- 2) Placement of snow will have to be done carefully to avoid damage to the liner.
- 3) Water level in the snow containment cell should be maintained 0.5 m below the minimum liner elevation.
- 4) The maximum elevation of P1 pond should be adjusted to prevent water inflow in the snow all and should not exceed the elevation 68.5 MASL.
- 5) Geotextile : TEXEL 160E (or equivalent) placed with an overlap of 0.3m between each width. Needleponched nonwoven short staple fibers geotextile; polypropylene made
- 6) Liner : HDPE 1.5mm, TYPE SOLMAX 460 (or equivalent) placed with proper overlap to allow welding to take place. The installer is to provide detailed QC information describing the placement and welding.



NOTES GÉNÉRALES / GENERAL NOTES

**POUR APPROBATION  
FOR APPROVAL**

AGNICO EAGLE DATE : 2017-05-24

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG



REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2017-05-24	ISSUED FOR APPROBATION	J.C.	T.L.	M.R.J.
1	2017-05-10	ISSUED FOR APPROBATION	J.C.	T.L.	M.R.J.

REVISIONS

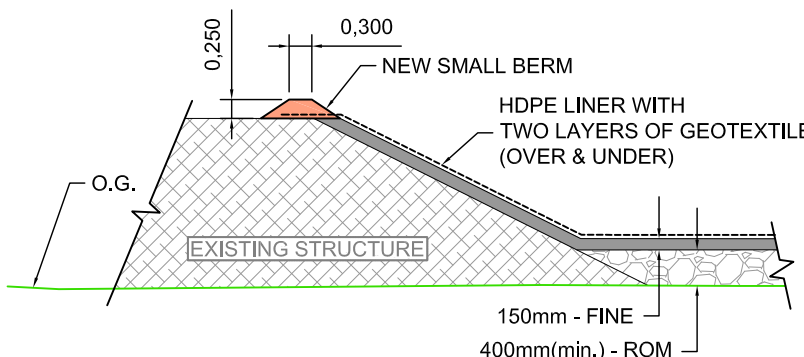
TITRE / TITLE  
AGNICO-EAGLE - MELIADINE DIVISION  
695 - WATER MANAGEMENT  
230 - EARTH WORK  
PLAN , SECTION & DETAILS  
SNOW CONTAINMENT

DESSINÉ PAR DRAWN BY	JOCELYN CRETE	DATE 2017-05-04
VERIFIÉ PAR CHECKED BY	THOMAS LEPINE	2017-05-08
APPROUVÉ PAR APPROVED BY	MICHEL JULIEN	2017-05-08

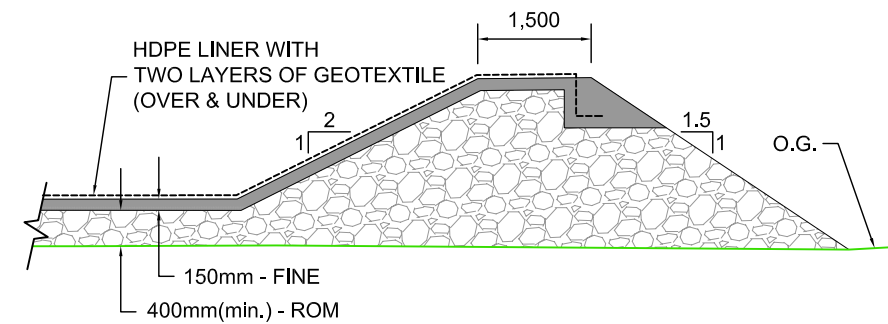
ECHELLE SCALE	N/A	DATE 2017-05-04
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NO. DESSIN  
DRAWING NO.  
65-695-230-001

NO. PROJET PROJECT NO. 65	REVISION 2	FEUILLE / SHEET 1 / 1
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DETAIL #1 - INFRASTRUCTURE WITH EXISTING BERM



DETAIL #2 - NEW BERM & INFRASTRUCTURE DETAILS